

U.S. DEPARTMENT OF LABOR  
WORKPLACE STANDARDS ADMINISTRATION  
Bureau of Labor Standards

Form No. LSH-005-4  
May 1969

MATERIAL SAFETY DATA SHEET

JUN 14 1982

SECTION I

DPN 541

MANUFACTURER'S NAME <b>DETROIT CHEMICAL, INC.</b>		EMERGENCY TELEPHONE NO. <b>(313) 358-5800</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>Box 501 Detroit, Michigan 48232</b>		
CHEMICAL NAME AND SYNONYMS <b>Trichloroethylene</b>		TRADE NAME AND SYNONYMS <b>PERM A CLOE NA</b>
CHEMICAL FAMILY <b>Chlorinated Hydrocarbon</b>	FORMULA <b>CCl<sub>2</sub> = CHCl</b>	

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PAINTS			BASE METAL		
SOLVENTS			ALLOYS		
PAINTS			METALLIC COATINGS		
PAINTS	100	100	FILLER METAL PLUS COATING OR CORE FLUX		
PRESERVATIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

BOILING POINT (°F)	188	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.46
VAPOR PRESSURE (mm Hg)	58	PERCENT VOLATILE BY VOLUME (%)	100
WATER DENSITY (g/cm <sup>3</sup> )	1.54	EVAPORATION RATE (Other = 1)	0.28
SOLUBILITY IN WATER (Less than 0.1%)	Negligible		
APPEARANCE AND ODOR	Clear, colorless liquid with characteristic mild ethereal odor.		

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) <b>None (Closed Cup Method)</b>	FLAMMABLE LIMITS <b>n.s.</b>	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES (Note: In chlorinated solvent degreasers that clean aluminum production, use only water to reduce the aluminum reaction, if and when that occurs.)			
UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors can be decomposed by intense heat or open flames releasing HCl			

IS 7202.3 (1/2)